

IN THE CLAIMS:

Please cancel claim 5 and amend the claims as follows:

1. (Currently Amended): In a multi-processor computing environment, a method by a first processor for allocating resources for use by a second processor, the method comprising:

providing a script to the first processor, the first processor being dedicated solely to the allocation of resources to one or more other processors, the script containing information related to the resources required by the second processor and when the resources are required in the execution sequence of a program;

parsing the script to determine the resources required by the second processor; and

dynamically allocating the resources at the time needed by the second processor.

2. (Original): The method of claim 1 wherein the script further comprises information related to resources required by a third processor; and dynamically allocating the resources at the time needed by the third processor.

3. (Previously Presented): The method of claim 2, further comprising: dedicating the first processor to processing the script.

4. (Previously Presented): The method of claim 1 wherein the resources include at least one of memory and a matrix configuration.

5. (Cancelled)

6. (Previously Presented): The method of claim 1 wherein the information in the script is the amount of buffer memory needed by a program.

7. (Previously Presented): A method by a processor for allocating resources for use by one or more tasks in a multi-processor computing environment, the method comprising:

providing a script to the processor, the first processor being dedicated solely to the allocation of resources to one or more other processors, the script containing a map of sequences that will occur during execution of the one or more tasks;

parsing the script to determine resources required based on the map of sequences; and

allocating the resources immediately prior to execution of the task.

8. (Original): The method of claim 7 wherein the script is an I/O processor script.

9. (Previously Presented): A predictive resource allocation system for a multi-processor computing environment having two or more processors, comprising:

a first processor;

a dedicated second processor dedicated solely to providing resource allocation to the first processor;

a script file containing information related to the resources required by the first processor;

a script engine for running the script file, the dedicated processor in conjunction with the script engine parsing the script to determine the resources required by the first processor; and

the dedicated second processor dynamically allocating resources at the time they are needed by the first processor.

10. (Previously Presented): The system of claim 9 wherein the script further comprises information related to resources required by a third processor; and the dedicated second processor dynamically allocating the resources at the time they are needed by the third processor.

11. (Previously Presented): A method by a processor for allocating resources for use by two or more tasks in a multi-processor computing environment, the method comprising:

providing a script to a first processor, the first processor being dedicated solely to the allocation of resources to one or more other processors, the script containing a map of sequences that will occur during execution of the tasks;

parsing the script to determine the map of sequences for the tasks and to determine the resources required by the tasks; and

allocating the resources to tasks such that resource allocation is synchronized with when the resources are needed by tasks.

12. (Original): The method of claim 11 wherein allocating the resources further comprises dynamically allocating the resources at the time needed by the tasks.